## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|--|
| FEE DETERMINATION         | meaza B  |        |          |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       | •        |        |          |  |  |  |  |  |
| FORMALITY REVIEW          | SIB      | JC 895 | 07-31-01 |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | CL       | 110-01 | 10-30-0) |  |  |  |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
|   | (Through numeral) Canceled |   | Appeal       |
|   | Restricted                 | 0 | Objected     |

|           |            |             |                                              |           |                | ÷         | •••            | ••••         |          |               | ••••         | ••••     |          | Res      | trict    | ed           |          |          |              | 0        | •••••    | ••••         | •••••           | •••••    |     | ••••          | Objec      | cted     |          |           |                |          |              |                                                  |          |                                        |
|-----------|------------|-------------|----------------------------------------------|-----------|----------------|-----------|----------------|--------------|----------|---------------|--------------|----------|----------|----------|----------|--------------|----------|----------|--------------|----------|----------|--------------|-----------------|----------|-----|---------------|------------|----------|----------|-----------|----------------|----------|--------------|--------------------------------------------------|----------|----------------------------------------|
| Clair     | m]         | _           |                                              |           |                | Dat       | le             |              |          |               |              | ]        | С        | laim     |          |              |          |          | Date         | •        |          |              |                 |          | · [ | Clai          | m          |          |          | _         | Date           | •        |              | _                                                |          |                                        |
| Figur     | Original   | 10 K        |                                              |           |                |           |                |              |          |               |              |          | Einal    | Original | 9 I H    |              |          |          |              |          |          |              |                 |          |     | Final         | Original   |          |          |           |                |          |              |                                                  |          |                                        |
| H         | 3          | Ħ           |                                              | _         |                | _         | -              | ┪            | ┢        | +             | 1            | t        | F        | 51       | 2        | $\vdash$     |          | $\dashv$ | 7            | _        | 7        | 寸            | $\top$          | ٦        | ı   |               | 101        |          |          |           | ┪              | T        | 1            | T                                                |          |                                        |
| 14        | 2          |             |                                              | Г         |                |           |                | Г            | T        | 1             | 1            | ļ.       |          | 52       | 7        |              |          |          |              |          | T        |              | Ţ               |          |     |               | 102        |          |          |           |                |          |              | $\Box$                                           | $\Box$   |                                        |
| П         | A          |             |                                              |           |                |           |                |              |          | 7             |              | ١.       | Ē        | 53       |          |              |          |          |              |          |          |              |                 | ╛        | L   |               | 103        | Ш        | $\sqcup$ |           | _              | _        | _            | $\dashv$                                         | 4        |                                        |
|           | 4          | $\subseteq$ |                                              |           |                |           |                |              | L        | Z_            | L            | -        |          | 54       |          |              |          |          | _            | $\dashv$ | $\dashv$ | _            | $\dashv$        | 4        | -   |               | 104        | Ш        | _        | _         |                |          | 4            | -                                                | $\dashv$ |                                        |
| $\Box$    | 5          | _           | _                                            | L         |                | <u> </u>  | _              | <u> </u>     | ļ.       | 1             | ļ.,          | 1        | <u> </u> | 55       | <u> </u> | <u> </u>     |          | _        | -            | $\dashv$ | -        | -            | -               | 4        | -   | 1             | 106        | $\vdash$ | $\dashv$ | -         |                | $\dashv$ | $\dashv$     | $\dashv$                                         |          |                                        |
|           | 6          |             | 7                                            | _         | _              | <u> </u>  | ļ              | ├-           | 1        | <b>-</b>      | H            | 4        | $\vdash$ | 56<br>57 | <u> </u> | <u> </u>     | _        | -        | -            | -        |          | -            | +               | $\dashv$ | ŀ   |               | 107        | $\vdash$ | $\dashv$ | $\dashv$  |                | $\dashv$ | $\dashv$     | $\dashv$                                         | $\dashv$ |                                        |
|           | 7<br>8     |             | _                                            | ┡         | -              | -         | <del> </del>   | 1            | ╀        | +-            | Н            | ł        | ┝        | 58       | ╁        | ├            | $\vdash$ | $\vdash$ | -1           |          | ╅        | ᅥ            | $\dashv$        | $\dashv$ | -   |               | 108        | $\vdash$ | $\dashv$ | -         | $\dashv$       | $\dashv$ | +            | 一                                                | ┪        | _                                      |
| -         | 9          |             | _                                            | 1         | $\vdash$       | ┝         | -              | $\vdash$     | $\vdash$ | ╁             | H            | :        | H        | 59       | —        | $\vdash$     | Н        | -        | $\dashv$     | _        | ┪        | ┪            | _               | ⊣        | ŀ   |               | 109        |          |          | _         | $\dashv$       |          | _            | 7                                                | 7        |                                        |
| H         | 10         | _           |                                              | ┢         | 1              |           | <del> </del>   | <del> </del> | +        | 十             | ╁╴           | 1        | $\vdash$ | 60       |          | 一            | -        | Н        |              | 一        | 7        | $\neg$       | 7               | ٦        | ļ   |               | 110        |          |          |           |                | Ť        |              | _                                                | $\neg$   |                                        |
|           | 11         |             |                                              | <b></b> - | ٦              | 7         | 1              | T            | ✝        | +             | t            | 1        | $\vdash$ | 61       | 1        | T            |          |          |              | $\neg$   | $\neg$   | コ            |                 | I        | Ī   |               | 111        |          |          |           |                |          |              |                                                  |          |                                        |
|           | 12         |             | _                                            | -         | T              | X         |                | Τ            | T        | T             | 1            | 1        |          | 62       |          |              |          |          |              |          |          |              | $\Box$          |          | [   |               | 112        |          |          |           |                |          |              |                                                  |          | <u> </u>                               |
|           | 13         |             |                                              |           | _              | $\Box$    |                |              |          |               |              |          |          | 63       |          |              | 匚        |          |              |          | _]       | $\Box$       | $\perp$         | _        | Ĺ   |               | 113        | <u> </u> | Щ        | L_        |                | _        | _            | _                                                | _        | -                                      |
|           | 14         |             |                                              |           | 7              |           | 1              |              | L        |               |              |          | L        | 64       | L        | L            | L        | L        |              | _        | _        | -4           | _               | ᅬ        |     |               | 114        | ļ.       | Щ        | _         |                | -        | _            |                                                  | 4        | $\vdash$                               |
|           | 15         |             |                                              | _4        |                | L         | $\Box$         | L            | 1        | $\bot$        | L            | 1        | L        | 65       | +        | <u> </u>     | <u> </u> |          |              | _        |          | $\dashv$     | $\dashv$        | -        | -   |               | 115        | -        | H        |           | Н              |          | -            | -                                                | 4        | -                                      |
|           | 16         |             | L                                            | Ľ.        | _              | <u> </u>  | <del> </del> _ | 1_           | ╀-       | ╀             | 1_           | 4        | $\vdash$ | 66       |          | ├-           | ⊢        |          |              | $\dashv$ |          | $\dashv$     |                 | {        | - } |               | 116<br>117 | ╁        | $\vdash$ | -         | Н              |          | -            | $\dashv$                                         |          | É                                      |
|           | 17<br>18   | <u> </u>    | <u>,                                    </u> | 1-        | ⊢              | ⊢         | ┼              | Ļ            | ╙        | +             | $\vdash$     | H        | $\vdash$ | 67<br>68 | ₩        | ╁            | ├-       | $\vdash$ | Н            | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$        | $\dashv$ | ŀ   |               | 118        | ╁        | H        | -         | Н              | $\dashv$ | ┪            | $\dashv$                                         | $\dashv$ | -                                      |
|           | 18         | _           | -                                            | ⊢         | ├              | ┝         | ╁┈             | ╁            | 1        | ╁             | ╁            | H        | $\vdash$ | 69       | -        | ╁            | ╁        | ┢        | $\vdash$     | $\dashv$ |          |              | -               | ┥        | ŀ   |               | 119        | +        | $\vdash$ | ┢         | H              |          |              | $\dashv$                                         |          | H                                      |
|           | क          | <u>_</u>    | ⊩                                            | $\vdash$  | ├              | -         | ╁              | ╁            | ╁        | <del>}.</del> | ╁            | ł        | $\vdash$ | 70       |          | ╁┈           | ╁─       | ╁        | H            |          | $\dashv$ | -            | -               | ㅓ        | ŀ   |               | 120        | ╅┈       | _        | -         |                |          | ᅥ            |                                                  |          | Г                                      |
|           | 21<br>21   | _           | -                                            | ├-        | -              | -         | ╁              | -            | ╁        | +             | ╁            | 1        | $\vdash$ | 71       |          | ╁╌           | ╁        | ┢        |              | $\vdash$ | $\dashv$ |              | $\dashv$        | $\dashv$ | 1   | _             | 121        | ╁╴       | ┢        | ┢         |                | $\vdash$ |              | $\dashv$                                         | _        | Г                                      |
| 1         | 22         | -           | -                                            | ╁         | -              | ╁╌        | ╁              | ╁╴           | ╁        | ╅             | ┝            | 1        | -        | 72       |          | +            | t        | -        |              | Н        | $\neg$   | _            | $\forall$       | _        | 1   | _             | 122        | 1        | Г        |           | Г              |          |              |                                                  |          | Г                                      |
| 4-        | 23         | 7           |                                              |           | -              | -         |                | -            | +-       | +             | +            | *        | -        | 7:       |          | 1            | †        | <u> </u> |              |          |          |              | $\dashv$        | $\neg$   |     |               | 123        | T        |          |           |                |          |              |                                                  |          |                                        |
|           | 24         | 7           | _                                            | 1         | 1              | 1         | 1              | T            | †        | 1             | T            | 1        | r        | 74       | ·        |              | T        |          |              |          |          |              |                 |          |     |               | 124        |          |          |           |                |          |              |                                                  |          |                                        |
|           | 25         | 1           |                                              |           |                |           |                |              |          | 1             |              | ]        |          | 75       | _        | $\Box$       |          |          |              |          |          |              |                 | _        |     |               | 125        | _        | _        | _         |                |          |              | Ш                                                |          | L                                      |
|           | 26         | V           |                                              |           |                |           |                |              | Ι        | Ι             | L            | ]        |          | 76       |          |              |          | <u> </u> | <u>_</u>     |          | $\Box$   |              |                 | _        |     | _             | 126        | ↓_       | ļ        | <u> </u>  | <u> </u>       |          |              | Щ                                                | _        | ļ_                                     |
| _         | 27         | V           |                                              | L         | L              | ┖         | ↓_             | 1            | L        | $\perp$       | ╀            | 4        | L        | 77       |          | <del> </del> | ╄        | <u> </u> | ļ            |          | _        |              | Ш               | ႕        |     |               | 127        | 4-       | ▙        | ├         | <del> </del>   | Ш        | _            |                                                  | L        | ┞                                      |
|           | 28         | 0           | _                                            | ┡         | 1              | L         | 1              | 1            | 1        | $\bot$        | $\bot$       | 4        | $\vdash$ | 78<br>78 |          | ╄            | ╄        | ╀        | <u> </u>     | _        | Н        | -            | H               | $\dashv$ |     | <u> </u>      | 128<br>129 | ╁        | ├        | $\vdash$  | ├              | ļ        | ш            |                                                  | -        | ⊬                                      |
|           | 29         | 7           | _                                            | $\vdash$  | ╀              | ╁         | <b>-</b>       | ╀            | +        | +             | ┼-           | 4        | $\vdash$ | 80       | _        | ╁            | ╁        | ╁        | <del> </del> | <u> </u> |          | H            | -               | $\dashv$ |     | <u> </u>      | 130        | +        | -        | 1         | $\vdash$       | -        | -            | Н                                                | -        | ╁╴                                     |
|           | 30<br>31   | 7           | =                                            | ‡         | ╀              | ╀         | ╁              | ╁┈           | +        | +             | ╁            | ┨        | $\vdash$ | 8        |          | ╁            | ╁        | ╀        | ┢            | ├        |          | H            | H               |          |     | _             | 131        | +        | ╁        | ╁         | ╀╌             | $\vdash$ |              |                                                  | -        | ╁                                      |
|           | 32         | 7           | ╁                                            | +         | ╁              | +         | ╁              | ╁            | ╁        | +             | ╁╴           | ┨        | $\vdash$ | 8        |          | ╁            | ╁╴       | ╁        | ╁            | ┝        |          | Н            | $\vdash$        | $\neg$   |     | $\vdash$      | 132        | +-       | $\vdash$ | 1         | $\vdash$       | $\vdash$ |              |                                                  |          | 1                                      |
|           | 33         |             | <del> </del>                                 | 十         | ╁              | ╁         | ╁╌             | ╁            | ╁        | +             | 1            | 1        | H        | 83       |          | +            | +-       | 1-       | ┪            | ┰        |          | $\vdash$     |                 | ┪        |     | _             | 133        | 1        |          | 1         | 1              | $\Box$   |              |                                                  | Г        | Γ                                      |
| H         | 34         | 1,7         | ⇈                                            | T         | T              | $\top$    | +-             | ╁            | 十        | +             | 1            | 1        | r        | 84       | 1        | 1            | 1        |          | 1            |          |          |              |                 | П        |     |               | 134        | 1        |          |           |                |          |              |                                                  |          |                                        |
|           | 35         | Ž           | 1                                            | 1         |                | 1         | 1              | 1            |          | ┰             | 1            | 1        |          | 8        |          |              | T        |          |              |          |          |              |                 |          |     |               | 135        |          |          |           | <u></u>        |          |              | _                                                |          | L                                      |
|           | 36         |             | ,                                            | T         |                |           | 1.             |              |          |               |              | ]        |          | 86       |          |              | L        |          | <u> </u>     |          |          |              |                 |          |     |               | 136        | 1        | <u> </u> | _         | <del> </del> _ | _        |              | <u> </u>                                         | _        | ╄                                      |
|           | 37         | 0           | $\Gamma$                                     |           |                | L         |                | L            |          |               | L            | ]        | L        | 87       |          | ┸            | ┸        | _        | L            | <u> </u> | _        | L_           | Ш               |          |     |               | 137        | ↓_       | ↓_       | ↓_        | ↓_             | 1        | L            | ╙                                                | _        | ╀                                      |
|           | 38         | 7           | L                                            | $\perp$   | 1              | 1         | $\perp$        | _            | 4        | _             | $\perp$      | 4        | L        | 88       |          | $\downarrow$ | 1        | $\vdash$ | <u> </u>     | <u> </u> | _        |              | $\vdash \vdash$ | Щ        |     | <u> </u>      | 138        | +        | $\vdash$ | $\vdash$  | ├-             | ├-       | <u> </u>     | <u> </u>                                         | ⊢        | ╀                                      |
| $\perp$   | <u> 26</u> |             | 1_                                           | 1         | <del> </del> _ | 4         | +              | 1            | - -      | 4             | +            | 4        | -        | 8        |          | +            | +        | $\vdash$ | -            | ├-       | <u> </u> | ┝            | $\vdash$        | $\dashv$ |     | -             | 139        | +-       | ╁        | ╀         | -              | -        | -            | -                                                | $\vdash$ | +                                      |
| Ш         | 40         |             |                                              | 1         | $\perp$        | 4         | +              | $\perp$      | +        | $\perp$       | +            | 4        | F        | 9        | -        | +            | +        | ┼        | $\vdash$     | $\vdash$ | ├-       | <del> </del> | Н               | Н        |     | $\vdash$      | 140        | +-       | ╀        | +         | +              | ├        | <del> </del> | -                                                | $\vdash$ | +                                      |
| $\square$ | 41         |             |                                              | $\perp$   | ╀-             | ↓_        | 4              | 4            | +        | 4             | +            | 4        | F        | 9        |          | +            | +        | +        | -            | $\vdash$ | <u> </u> | ├            | Н               |          |     | -             | 142        | +        | ╀        | ╁         | ╁              | +        | -            | -                                                | +        | +                                      |
| $\vdash$  | 42         | 0           |                                              | ╀         | ┼              | +         | +              | 4            | +        | +             | +            | 4        | -        | 9:       | _        | +            | ╀        | +-       | +-           | -        | -        | -            | Н               | _        |     | $\vdash$      | 143        | +        | +        | ╁         | ╁┈             | -        | $\vdash$     | ╁                                                | $\vdash$ | +                                      |
| H         | 44         |             | ╀                                            | +         | +              | +-        | +-             | +            | +        | +             | +-           | 4        | -        | 9        |          | ╁            | +        | ╁        | +-           | -        | -        | -            | Н               | $\vdash$ |     | <del> -</del> | 144        | +        | ╁        | ╁         | +-             | $\vdash$ | $\vdash$     | <del>                                     </del> | $t^-$    | t                                      |
| H         |            | 0           |                                              | +         | ╁              | +         | +              | +-           | +        | +             | +            | $\dashv$ | +        | 9        |          | +            | ╁        | $\vdash$ | $\vdash$     | +-       | $\vdash$ | $\vdash$     | $\vdash$        | Н        | l   | $\vdash$      | 145        | $\top$   | 1-       | T         | $\vdash$       | 1        | 1            | $\vdash$                                         | $\vdash$ | †                                      |
| H         | 46         |             |                                              | +         | +              | +         | +              | +            | 十        | +             | +            | 1        | $\vdash$ | 9        |          | +            | †        | T        | t            | T        | T        | T            | $\vdash$        | П        | ĺ   |               | 146        | 1        | $\top$   | $\dagger$ | 1              | 1        | <u> </u>     |                                                  |          | T                                      |
| H         | 47         | 10          | Т                                            | T         | t              | $\dagger$ | t              | 十            | +        | $\dagger$     | +            | 1        | r        | 9        |          | T            | T        | 1        | 1            |          |          | Γ            | П               | П        | ĺ   |               | 147        | 1        | Τ        | Γ         |                |          |              |                                                  |          | Γ                                      |
| H         | 48         |             | †                                            | †         | T              | $\dagger$ | T              | $\dagger$    | +        | +             | $^{\dagger}$ | 1        | ľ        | 9        | 3        | I            |          |          |              |          |          |              |                 |          |     |               | 148        |          |          | L         |                |          |              |                                                  |          | Γ                                      |
|           | 49         | ) -         |                                              |           | I              |           | I              | Ι            |          |               |              | ]        |          | 9        |          | I            |          |          | I            |          |          |              | Д               |          |     |               | 149        | $\perp$  | L        | Ľ         |                | L        | _            | L                                                | $\perp$  | L                                      |
|           | 50         | Ŀ           | L                                            | $\bot$    | Ţ              | L         |                | Ι            | $\perp$  | $\perp$       |              | _        | Ĺ        | þΩ       | q_       | L            | 1        | L        | 1_           | L        | L        | <u></u>      | Ш               | L        | j   | L             | 150        |          | _        | L.        |                | 1_       | <u> </u>     | L                                                | 1        | ــــــــــــــــــــــــــــــــــــــ |
|           |            |             |                                              |           |                |           |                |              |          |               |              |          |          |          |          |              |          |          |              |          |          |              |                 |          |     |               |            |          |          |           |                |          |              |                                                  |          |                                        |

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If more than 150 claims or 10 actions staple additional sheet here

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